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Soviet science is confronted with the problems of expanding and intensifying its activity and of correctly selecting the key scientific problems, i.e., those problems whose solution will reveal new potentialities for implementation of the gradual transition from socialism to Communism. Solution of these problems requires that the staff of the highest scientific institution of the country, the Academy of Sciences, be augmented. Elections to the academy publicly manifest the growth of scientific cadres and of their accomplishments.

At present, the academy, with its institutes and affiliates, constitutes a widely dispersed network of scientific institutions. The academy, which reflects the best scientific and cultural accomplishments of the country, is very closely linked with the people. It is connected with rapidly developing science in the union republics through 12 republic Academies of Sciences; the academy took active part in the establishment of these academies and still coordinates their scientific work. It is connected with science in outlying areas through its network of affiliates, which extends from the Far North to the Crimea and the Caucasus, from the Moldavian SSR through the Urals and Siberia to the Far East.

According to the charter of the academy, scientists who have furthered science by important works and who have contributed to the construction of socialism by their research activity may be elected members of the academy. After publication of notices of vacancies, the Soviet scientific community discusses and nominates candidates. Candidates for Academician and Corresponding Members can be nominated by scientific councils of scientific research institutions, ministries, councils of universities and higher educational institutions, and also by plants, scientific and technical societies, individual scientists, and groups of scientists.

From the large number of scientists nominated for the vacancies, the Academy selects those who have proved themselves by their creative work. The departments of the academy at their general meetings using the reports of their expertise commissions, judge the candidates nominated by the scientific community. Particular attention will be given to the strengthening of promising trends in science.

The largest number of additions to the academy will come in the departments of Physicomathematical and Technical Sciences. In the physicomathematical sciences, 15 Active Members and 25 Corresponding Members will be selected. Because of the extensive development and high level of the physical sciences and mathematics in the USSR, we have every opportunity to select the best-qualified candidates. Many scientists of world renown are included in the 41 candidates for Academician and the 129 candidates for Corresponding Member.

The field of physics provides information for power engineering, electrical engineering, radio engineering, illuminating engineering, and acoustic engineering. The accomplishments of our scientists have permitted us to master the processes of liberating the colossal energy of the atomic nucleus.

Outstanding mathematicians will be elected to the academy. A new branch of mathematics connected with the development and application of the so-called computers, has recently arisen. These are complex machines capable of carrying out hundreds of thousands of mathematical operations per minute and thus solving problems heretofore insoluble. This is a genuine revolution in mathematics and also in many branches of physics, mechanics, and the technical sciences. The academy will add specialists in this very important new branch of mathematics.

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Important specialists in astronomy and astrophysics will be brought into the academy. In addition to their perceptual and philosophical importance, the development of these sciences is potentially of great practical importance. Astrophysicists observe and study states of matter and its transformations which we have just begun to reproduce in atomic nuclei, in atomic and thermonuclear explosions, etc. Complete mastery of these processes will give man powerful new forces.

The Department of Technical Sciences, which now has the largest staff of any department of the academy, will be strengthened by the addition of 14 Academicians and 30 Corresponding Members. Registered for these vacancies are 39 candidates for Academician and 191 for Corresponding Member. The rapidly developing fields of radio engineering, electronics, telemechanics, and automatics are well represented. The academy will also obtain scientists specializing in power and electrical engineering, electrical machine building, hydraulic engineering, metallurgy, machine studies, and mechanics. Our scientists are confronted by problems of hydroelectric power and complex utilization of various types of solid fuels (including the vast stores of combustible shales), the problem of developing and applying new engines, e.g., gas turbines, the problem of long-distance power transmission, and many others.

In the Department of Chemical Sciences, there are 14 candidates registered for the 6 Academician vacancies and 83 candidates registered for the 14 Corresponding Member vacancies. New chemical problems have been posed by heavy and light industry and by agriculture. The development of plastics which can replace metals in machine building, of synthetic wool and synthetic leather, new methods for obtaining synthetic rubber from various raw materials, the obtaining of by-products of petroleum and gases for all these purposes -- all these are problems for organic chemistry, the chemistry of high-molecular compounds, and petroleum chemistry. These problems also include the development of new chemico-pharmaceutical products, brighter and more stable dyes, luminophors, insecticides, and herbicides.

Success in the solution of all these problems will depend upon the friendly cooperation of chemists specializing in synthetic materials with physicists and physical chemists. More intensive work is required to extend our knowledge of the relationship of molecular structure with the chemical, physical, and mechanical properties of substances and the materials formed from them. Better control of chemical processes is required and this in turn demands a more thorough knowledge of the laws governing these processes. Inorganic chemistry is confronted with the problem of obtaining and using compounds of all elements of the periodic system, including the widely distributed elements and the rare earths. There is as much titanium in the earth's crust as carbon, but it has not, as yet, found its deserved application, despite the fact that this is a metal of the future, light, heat-resistant, and as strong as steel. The rare element germanium, which was predicted by Medeleev and recently obtained in the amount of several grams, has now become a very important material in new electronic techniques.

The Department of Geologicogeographical Sciences is being greatly expanded, chiefly by bringing in geologists with different specialties and geochemists. There are 27 candidates registered for the 8 Academician vacancies and 98 for the 21 Corresponding Member vacancies. The number of scientists concerned with general problems of geological science will be greatly increased. These persons will be called upon to generalize the experimental data accumulated in geological mineral prospecting practice. Scientists specializing in the geology of ore deposits, petroleum geology, coal deposits, hydrogeology, petrography, and mineralogy will also be selected. Thus, the department will be able to extend its research on all problems of the earth's crust and will conduct this research in the closest cooperation with geophysicists.

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STAT

<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
ALEKSANDROV Aleksandr Danilovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Rector, Leningrad State University; Senior Sci Assoc, Mathematical Inst imeni V. A. Steklov, Acad Sci USSR	Sci Council, Leningrad State University
ALEKSANDROV Anatoliy Petrovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Director, Order of Labor Red Banner Inst of Physical Problems imeni S. I. Vavilov, Acad Sci USSR	A collection of sci workers of Order of Labor Red Ban- ner Inst of Physical Prob- lems imeni S.I. Vavilov, Acad Sci USSR; Sci Council, Inst of High-Molecular Com- pounds, Acad Sci USSR; Sci Council, Inst of Chemical Physics, Acad Sci USSR; and others
ALEKSANDROV Pavel Sergeyevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Senior Sci Assoc, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Prof, Moscow State Univer- sity	Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Council, Moscow State University; Presidium, Acad Pedago- gical Sci RSFSR; and others
ALIKHAN'YAN Artem Isakovich	Corr Mem Acad Sci USSR; Active Mem, Acad Sci Armenian SSR; Dr Phys-Math Sci; Stalin Prize winner; Director Physics Inst, Acad Sci Armenian SSR; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Head of a chair, Moscow Me- chanics Inst	Sci Council, Physics Inst, Acad Sci Armenian SSR; Council, Moscow Mechanics Inst; and others
ARMANISULYAN Viktor Arzaspovich	Corr Mem Acad Sci USSR; Active Mem Acad Sci Armenian SSR; Dr Phys-Math Sci; Stalin Prize winner; President, Acad Sci Armenian SSR; Head of a chair, Yerevan State University imeni V.M. Molotov	Sci Council, Crimean Astro- physics Observatory, Acad Sci USSR; Bureau, Dept of Phys-Math Sci, Acad Sci Armenian SSR; Sci Council, Leningrad State University; Council, Moscow State University; and others
ANDREYEV Nikolay Nikolayevich	Corr Mem Acad Sci USSR; Dr. Phys-Math Sci; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR	Sci Council, Physics Inst imeni P.N. Lebedev Acad Sci USSR; Central Sci Res Inst of Radio Measurements; Main Chamber (Glavnaya Palata) of Measures and Measuring Instruments, USSR; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
ARKAD'YEV Vladimir Konstantinovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Prof, Moscow State University	Sci Council, Physics Faculty, Moscow State University; Academicians V.V. Shulaykin, B.A. Vvedenskiy, Corr Mem Acad Sci USSR A.S. Predvo- ditelev, and others; Cen- tral Sci Res Inst of Radio Measurements; and others
ARTSIMOVICH Lev Andreyevich	Corr Mem Acad USSR; Dr Phys- Math Sci; Prof, Moscow Me- chanical Inst	A group of scientific workers of the Acad Sci USSR; Engi- neering Physics Faculty, Moscow Mechanical Inst; and others
BLOKHINTSEV Dmitriy Ivanovich	Corr Mem Acad Sci Ukrainian SSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University	Council, Moscow State Uni- versity; Sci Council, Phys- ics Inst imeni P.N. Lebedev, Acad Sci USSR; Sci Council; Physicotechnical Inst, Acad Sci Ukrainian SSR; and others
BOGOLYUBOV Nikolay Nikolayevich	Corr Mem Acad Sci USSR; Active Mem, Acad Sci Ukrain- ian SSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a division, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Council Moscow State University; Presidium, L'vov Affiliate of Acad Sci Ukrainian SSR; Sci Council, Inst of Preci- sion Mechanics and Computing Techniques, Acad Sci USSR; and others
BRUK Isaak Semenovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR	Academician N.G. Bruyevich
VAL'TER Anton Karlovich	Active Mem, Acad Sci Ukrainian SSR; Dr Phys-Math Sci; Deputy Director Physicotechnical Inst, Acad Sci Ukrainian SSR; Head of a chair, Khar'kov State University imeni A.M. Gor'kiy	Sci Council, Physicotechnical Inst, Acad Sci Ukrainian SSR
VEKSLER Vladimir Iosifovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Council, Moscow State University

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
VELIKANOV Mikhail Anareyevich	Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science RSFSR; Head of a chair, Moscow State University	Sci Council, Water Power Inst, Acad Sci Armenian SSR; Sci Council, Marine Hydrophysics Inst, Acad Sci USSR; and others
VUL Bentsion Moiseyevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR	Sci Council, Lab of Semi- conductors, Acad Sci USSR
GANBURTSEV Grigoriy Aleksandrovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Director, Geophysics Inst, Acad Sci USSR	Sci Council, Geophysics Inst Acad Sci USSR; Sci Council, Sci Res Inst of Geophysical and Geochemical Methods of Prospecting of Ministry of Petroleum Industry USSR; Sci Council, Moscow Geo- logical Prospecting Inst imeni S. Ordzhonikidze; and others
DORODNITSYN Anatoliy Aleksseyevich	Dr Tech Sci; Stalin Prize winner; Head of a division, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Prof, Moscow Physicotechnical Inst	Academics M.A. Levent'yev, S.A. Khristianovich; Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Council Red Ban- ner Order of Lenin Military Air Engineering Academy imeni N.Ye. Zhukovskiy; Inst of Mathematics, Acad Sci Ukrainian SSR; and others
ZEL'DOVICH Yakov Borisovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a division, Inst of Chemical Physics, Acad Sci USSR	Sci Council, Inst of Chemical Physics, Acad Sci USSR; a group of scientific workers of the Acad Sci USSR
KIBEL' Il'ya Afanasyevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a division, Geophysics Inst, Acad Sci USSR; Chief of a division, Central Forecasting Institute	Council, Central Forecasting Institute
KIKOIN Isaak Konstantinovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a chair, Moscow Mechanical Inst	Collection of scientific workers, Order of Labor Red Banner Inst of Physical Prob- lems imeni S.I. Vavilov, Acad Sci USSR; Council, Moscow Mechanical Institute; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
KOBEKO Pavel Pavlovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Head of a lab, Inst of High Molecular Compounds, Acad Sci USSR; Head of a chair, Leningrad Polytechnic Inst imeni M.J. Kalinin	Sci Council, Inst of High Molecular Compounds, Acad Sci, USSR; Council, Leningrad Polytechnic Institute imeni M.J. Kalinin; and others
KONOBEEVSKIY Sergey Tikhonovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci	A group of scientific workers
KUZNETSOV Vladimir Dmitriyevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Honored Worker of Science RSFSR; Stalin Prize winner; Director, Sibirsk Physico-technical Inst and Prof, Tomsk State University imeni V.V. Kuybyshev	Sci Council, Tomsk State University imeni V.V. Kuybyshev; Council, Moscow State University; Sci Council, Tomsk; Order of Labor Red Banner Polytechnic Institute imeni S.M. Kirov; Kuznets' Metallurgical Combine imeni Staling; and others
KURDYUMOV Georgiy Vyacheslavovich	Corr Mem Acad Sci USSR; Active Mem, Acad Sci Ukrainian SSR; Dr Phys-Math Sci; Stalin Prize Winner; Director, Inst of Metal Studies and Physics of Metals of the Central Sci Res Inst of Ferrous Metallurgy; Senior Sci Assoc, Lab of Metal Physics, Acad Sci Ukrainian SSR	Sci Council, Central Sci Res Inst of Ferrous Metallurgy; Council Moscow State University; Collection of Sci Workers, Order of Labor Red Banner Inst of Physical Problems imeni S.I. Vavilov; Acad Sci USSR; Sci Council, Inst of Metallurgy imeni A.A. Baykov; Acad Sci USSR Ministry of the Metallurgical Industry USSR; and others
LEBEDEV Sergey Aleksyevich	Active Mem Acad Sci Ukrainian SSR; Dr Tech Sci; Stalin Prize winner; Director, Inst of Precision Mechanics and Computing Techniques, Acad Sci USSR; Head of a chair, Moscow Physicotechnical Inst	Sci Council, Inst of Precision Mechanics and Computing Techniques, Acad Sci USSR; Council, Moscow State University; the Combined Sci Council, Inst of Electrical Engineering and Inst of Thermal Power Engineering, Acad Sci Ukrainian SSR; and others
LEVSHIN Vadim Leonidovich	Dr Phys-Math Sci; Stalin Prize winner; Deputy Director, Physics Institute imeni P.N. Lebedev, Acad Sci USSR; Prof, Moscow State University	Academics V.A. Lebedev, A.N. Terebin, V.M. Litvin; Sci Council, Physicotechnical Inst, Acad Sci Russian SSR.
MINHAYLOV Aleksandr Aleksandrovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Director, Main Astronomical Observatory, Acad Sci USSR; President, Astronomical Council, Acad Sci USSR	Sci Council, Main Astronomical Observatory, Acad Sci USSR; Council, Moscow Inst of Engineers of Geodesy, Land Surveying, and Cartography; Sci Council, Inst of Theoretical Astronomy, Acad Sci USSR; and others

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OBREIMOV Iven Vasil'yevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a lab, Inst of Organic Chemistry, Acad Sci USSR; Head of a chair, Moscow Mechanical Institute	Collection of sci workers, Order of Labor Red Banner Inst of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; Council, Moscow Mechanical Inst; Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; and others
POMERANCHUK Isaak Yakovlevich	Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow Mechanical Institute	A group of scientific workers of Acad Sci USSR; Engineering Physics Faculty, Moscow Mechanical Institute
ROMANOVSKIY Vsevolod Ivanovich	Active Mem Acad Sci Uzbek SSR; Dr Phys-Math Sci; Honored Worker of Science Uzbek SSR; Stalin Prize winner; President, Department of Phys-Math Sci, Acad Sci Uzbek SSR; Prof, Central Asia State University	Sci Council, Inst of Mathematics and Mechanics, Acad Sci Uzbek SSR
SAKHAROV Andrey Dmitriyevich	Dr Phys-Math Sci; sci worker, Physics Inst imeni P.N. Lebedev, Acad Sci USSR	Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; a group of sci workers of Acad Sci USSR
SINEL'NIKOV Kirill Dmitriyevich	Active Mem Acad Sci Ukrainian SSR; Dr Phys-Math Sci; Honored worker of Science Ukrainian SSR; Director, Physicotechnical Inst, Acad Sci Ukrainian SSR; Head of a Chair, Khar'kov State University imeni A.M. Gor'kiy	Sci Council, Physicotechnical Inst, Acad Sci Ukrainian SSR
SOKOLOV Arseniy Aleksandrovich	Dr Phys-Math Sci; Stalin Prize winner; Director, Sci Res Inst of Physics, and Dean, Physics Faculty, Moscow State University	A group of scientists, Physics Faculty, Moscow State University; Physicomathematical Faculty, Sverdlovsk Pedagogical Inst; Sci Council, Physics Faculty, Tbilisi State University imeni Stalin; and others
SRETENSKIY Leonid Nikolayevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Head of a Lab, Marine Hydrophysics Inst, Acad Sci USSR; Prof, Moscow State University	Sci Council, Marine Hydrophysics Inst, Acad Sci USSR; Sci Council, State Oceanographic Inst; Council, Central Forecasting Inst

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
TANM Igor' Yevgen'yevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a division, Physics Inst imeni P. N. Lebedev, Acad Sci USSR	Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Collection of Sci workers, Order of Labor Red Banner Institute of Physical Problems imeni S.I. Vavilov Acad Sci USSR; Sci Council, Physicotechnical Inst, Acad Sci USSR; Sci Council, Inst of Chemical Physics, Acad Sci USSR; and others
TIKHOV Gavriil Adrianovich	Corr Mem Acad Sci USSR; Active Mem Acad Sci Kazakh SSR; Dr Phys-Math Sci; Honored Worker of Science Kazakh SSR; Head, Sector of Astrobotany, Acad Sci Kazakh SSR	Department of Physicomathe- matical Sciences, Acad Sci Kazakh SSR; Sci Council, Kazakh Sci Res Hydromete- orological Inst; and others
TIKHONOV Andrey Nikolayevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Head of a division, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Geophysics Inst. Acad Sci USSR; Council, Moscow State University; Council, Moscow Mechanical Inst; and others
KHARITON Yuliy Borisovich	Corr Mem Acad Sci USSR; Cand Chem Sci; Prof; Head of a sector, Inst of Chemical Physics, Acad Sci USSR	Sci Council, Inst of Chemical Physics, Acad Sci USSR; Collection of scientific workers, Order of Labor Red Banner Inst of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; and others
SHAL'NIKOV Aleksandr Iosifovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a lab, Order of Labor Red Banner Institute of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; Head of a chair, Moscow State University	Collection of scientific workers, Order of Labor Red Banner Institute of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; a group of scientists, Acad Sci USSR
SHURNIKOV Aleksy Vasil'yevich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Deputy Acad-Sec, Dept of Physicomathematical Sciences, Acad Sci USSR; Di- rector, Inst of Crystallogra- phy, Acad Sci USSR; Head of a chair, Moscow State Univer- sity	Sci Council, Inst of Crystal- lography, Acad Sci USSR; Council, Moscow State Uni- versity, Sci Council Inst of Geological Sciences, Acad Sci USSR; Collection of scientific workers, Order of Labor Red Banner Insti- tute of Physical Problems imeni S.I. Vavilov Acad Sci USSR; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
DEPARTMENT OF CHEMICAL SCIENCES		
ARBUZOV Boris Aleksandrovich	Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Head of a sector, Chemical Inst, imeni Acad A.Ye. Arbuzov Kazan' Affiliate, Acad Sci USSR; Head of a chair, Moscow State University	Bureau, Council of Affiliates, Acad Sci USSR; Presidium, Kazan' Affiliate, Acad Sci USSR; Sci Council, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Sci Council, Kazan' State U imeni V.I. Ul'yanov-Lenin; several plants in the city of Kazan'; and others
GORYAYEV Mikhail Ivanovich	Active Mem, Acad Sci Kazakh SSR; Dr Tech Sci; Vice President, Acad Sci Kazakh SSR; Prof, Kazakh State University imeni S.M. Kirov	General meeting of sci workers, Inst of Chemical Sci, Acad Sci Kazakh SSR; Presidium, Acad Sci Kazakh SSR
DANILOV Stepan Nikolayevich	Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering, Tatar ASSR; Dr Chem Sci; Director, Inst of High-Molecular Compounds, Acad Sci USSR; Head of a chair, Leningrad Order of Labor Red Banner Technological Inst imeni Lensovet	Sci Council, Leningrad Order of Labor Red Banner Technological Inst imeni Lensovet; Sci Council, Institute of High Molecular Compounds, Acad Sci USSR; Sci Council, Leningrad State University; and others
DERYAGIN Boris Vladimirovich	Corr Mem Acad Sci USSR; Dr Chem Sci; Head of a lab, Inst Physical Chemistry, Acad Sci USSR	Academician A.F. Ioffe; Sci Council, Agrophysics Inst of All-Union Order of Lenin Acad of Agricultural Sciences imeni V.I. Lenin; Academician A.N. Frumkin
IZGARYSHEV Nikolay Aleksseyevich	Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering RSFSR; Dr Chem Sci; Stalin Prize winner; Head of a chair, Moscow Order of Lenin Chemicotechnological Inst imeni D.I. Mendeleev	Sci Council Moscow Order of Lenin Chemicotechnological Inst imeni D.I. Mendeleev; Sci Council, Moscow Institute of Chemical Machine Building; and others
KARGIN Valentin Aleksseyevich	Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Head of a lab, Order of Labor Red Banner Sci Res Physicochemical Inst imeni L.Ya. Karpov	Sci Council, Order of Labor Red Banner Sci Res Physicochemical Inst imeni L.Ya. Karpov; Sci Council, Inst of Chemical Physics, Acad Sci USSR; Sci Council, Inst of High Molecular Compounds, Acad Sci USSR; and others

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KNUNYANTS Ivan Lyudvigovich	Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Head of a chair, Military Academy of Chemi- cal Defense imeni K.Ye. Voroshilov; Senior Sci Assoc, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR	Sci Council, Inst of Organic Chemistry, Acad Sci USSR; Council, Military Academy of Chemical Defense imeni K.Ye. Voroshilov; Chemistry Inst., Acad Sci Armenian SSR and others
KOBOZEV Nikolay Ivanovich	Dr Chem Sci; Prof, Moscow State University	Council, Moscow State Uni- versity
KONDRAT'YEV Viktor Nikolayevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Deputy Director, Inst of Chemical Physics, Acad Sci USSR; Prof, Moscow Mechanical Inst	Sci Council, Inst of Chemical Physics, Acad Sci USSR; Sci Council, Inst of Physical Chemistry, Acad Sci USSR; Council, Moscow Mechanical Inst; Sci Council, Order of Labor Red Banner Sci Res Physicochemical Inst imeni L.Ya. Karpov; and others
MEEDVEDEV Sergey Sergeyevich	Corr Mem Acad Sci USSR; Hon- ored Worker of Science and Engineering RSFSR; Dr Chem Sci; Stalin Prize winner; Deputy Director; Order of Labor Red Banner Sci Res Physicochemical Inst imeni L.Ya. Karpov; Head of a chair, Moscow Inst of Fine Chemical Technology imeni M.V. Lomonosov	Sci Council, Order of Labor Red Banner Sci Res Physico- chemical Inst imeni L.Ya. Karpov; Sci Council, Inst of Chemical Physics, Acad Sci USSR; Sci Council, Inst of High-Molecular Compounds, Acad Sci USSR; Sci Council, Moscow Inst of Fine Chemical Technology imeni M.V. Lomonosov; and others
NAZAROV Ivan Nikolayevich	Corr Mem Acad Sci; Dr Chem Sci; Stalin Prize winner; Head of a lab, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Head of a chair, Moscow Inst of Fine Chemi- cal Technology imeni M.V. Lomonosov	Sci Council, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Sci Council, Moscow Inst of Fine Chemical Technol- ogy imeni M.V. Lomonosov; Chemistry Inst, Acad Sci Armenian SSR; and others
TERENT'YEV Aleksandr Petrovich	Dr Chem Sci; Stalin Prize winner; Head of a chair, Moscow State University	Sci Council, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Council, Moscow State Uni- versity; Presidium, All- Union Chemical Society; and D.I. Mendeleev; and others

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CHELINTSEV Genrady Vladimirovich	Dr Chem Sci; Stalin Prize winner; Head of a chair, Military Academy of Chemi- cal Defense imeni K.Ye. Voroshilov	Council, Military Academy of Chemical Defense imeni K.Ye. Voroshilov
CHIEISOV Konstantin Vladimirovich	Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering RSFSR; Dr Chem Sci; Stalin Prize winner; Sci Chief of a lab, All-Union Sci Res Cinema- tography Inst; Head of a chair, Moscow State Uni- versity; Head of a chair, Moscow Technological Inst of the Food Industry	Sci Council, All Union Sci Res Cinematography Inst

DEPARTMENT OF GEOLOGICOGEOGRAPHICAL SCIENCES

BARANSKIY Nikolay Nikolayevich	Corr Mem Acad Sci USSR; Dr Geographical Sci; Honored Worker of Science RSFSR; Stalin Prize winner; Prof, Moscow State University	Council, Moscow State Univer- sity; Sci Council, Sci Res Inst of Teaching Methods of the Acad Pedagogical Sci RSFSR; Geologicogeographical Faculty, Belorussian State University imeni V.I. Lenin; and others
BELOV Nikolay Vasil'yevich	Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Head of a division, Inst of Crystallography Acad Sci USSR; Head of a chair, Gor'kiy State Uni- versity	Sci Council, Inst of Crystal- lography, Acad Sci USSR; Sci Council, Inst of Geo- logical Sciences, Acad Sci USSR; Sci Council, Moscow Geological Prospecting Inst imeni S. Ordzhonikidze; Sci Council, All-Union Inst of Mineral Raw Material of Ministry of Geology and Con- servation of Mineral Resources; and others
BETEKHIN Anatoliy Georgiyevich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Head of a lab, Inst of Geological Sciences, Acad Sci USSR; Prof, Moscow Inst of Nonferrous Metals and Gold imeni M.I. Kalinin	Sci Council, Inst of Geologi- cal Sciences, Acad Sci USSR; Presidium, Kola Affiliate imeni S.M. Kirov, Acad Sci USSR; Council, Moscow Inst of Nonferrous Metals and Gold imeni M.I. Kalinin; Sci Coun- cil, Moscow Geological Pro- specting Inst imeni S. Ordzhonikidze; Sci Council, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; and others

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VIZE Vladimir Yul'yevich	Corr Mem Acad Sci USSR; Dr Geographical Sci; Stalin Prize winner; Head of a chair, Leningrad State University	Sci Council Leningrad State University
VINOGRADOV Aleksandr Pavlovich	Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Director, Inst of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy, Acad Sci USSR; Deputy Acad-Sci Dept of Chemical Sciences, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Inst of Geo- chemistry and Analytical Chemistry imeni V.I. Vernadskiy, Acad Sci USSR; Council, Moscow State Uni- versity; Inst of Geological Sciences, Acad Sci USSR; Sci Council, Order of Labor Red Banner Inst of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; Sci Council, Radium Inst imeni V. G. Khlopin, Acad Sci USSR; and others
VLASOV Kuz'ma Alekseyevich	Dr Geol-MinSci; Director, Lab of Mineralogy and the Geo- chemistry of Rare Elements, Acad Sci USSR	Sci Council, Lab of Miner- alogy and the Geochemistry of Rare Elements, Acad Sci USSR; Sci Council, All-Union Inst of Mineral Raw Materials of Ministry of Geology and Conservation of Mineral Resources; Sci Council, Inst of Geological Sciences, Acad Sci Belorussian SSR; Sci Council, All-Union Sci Res Inst of Hydrogeology and Engineering Geology of the Ministry of Geology and Conservation of Mineral Resources; and others
VYALOV Oleg Stepanovich	Active Mem, Acad Sci Ukrain- ian SSR; Dr Geol-Min Sci; Stalin Prize winner; Head of a chair, L'vov State University imeni Ivan Franko; Head of a division, Inst of the Geology of Use- ful Minerals, L'vov Affiliate of Acad Sci Ukrainian SSR	Sci Council, L'vov State University imeni Ivan Franko; Sci Council, Inst of the Geology of Useful Minerals, L'vov Affiliate of Acad Sci Ukrainian SSR; Sci Council, Karlov State Uni- versity imeni M.G. Chernyshevskiy; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization, and Individual Nominating the Candidate</u>
GERASIMOV Innokentiy Petrovich	Corr Mem Acad Sci USSR; Dr Geographical Sci; Honored Worker of Science Kazakh SSR; Director, Inst of Geography, Acad Sci USSR; Vice-President, Geographical Society USSR; Head of a division, Inst of Soils imeni V.V. Dokuchayev, Acad Sci USSR	Sci Council; Inst of Geography, Acad Sci USSR; Council, Moscow State University; Geographical Society USSR; Sci Council, Inst of Soils imeni V.V. Dokuchayev, Acad Sci USSR; Presidium, Acad Sci Turkmen SSR; and others
GORSKIY Ivan Ivanovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Director, Lab of the Geology of Coal, Acad Sci USSR; Head of a chair, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst	Sci Council, Lab of the Geology of Coal, Acad Sci USSR; Sci Council, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; a collective of geologists, Ural Geological Administration of the Ministry of Geology and Conservation of Mineral Resources; and others
ZUBOV Nikolay Nikolayevich	Dr Geographical Sci; Prof, Moscow State University	A group of scientific workers of the Chief Directorate of the Northern Sea Route of the Ministry of Sea and River Fleets USSR
KELL' Nikolay Georgiyevich	Corr Mem Acad Sci USSR; Dr Tech Sci; Director, Lab of Aeromethods, Acad Sci USSR; Head of a chair, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst	Sci Council, Lab of Aeromethods, Acad Sci USSR; Sci Council, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; Sci Council, All-Union Sci Res Inst of Mining Surveying of the Ministry of Coal Industry; and others
KORZHINSKIY Dmitriy Sergeyevich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Senior Sci Assoc, Inst of Geological Sciences, Acad Sci USSR	Sci Council, Inst of Geological Sciences, Acad Sci USSR; Sci Council, Leningrad State University; Presidium, Council for the Study of Productive Forces, Acad Sci USSR; Sci Council, Moscow Geological Prospecting Inst imeni S. Ordzhonikidze; and others
KUZNETSOV Yefrem Aleksandrovich	Dr Geol-Min Sci; Head of a chair, Moscow State University	Council, Moscow State University; Sci Council, Moscow Geological Prospecting Inst imeni S. Ordzhonikidze; and others

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Name	Degrees, Honors, and Current Assignments	Organization and Individual Nominating the Candidate
LANGE Oktaviy Konstantinovich	Honored Worker of Science Uzbek SSR; Dr Geol-Min Sci; Head of a Chair, Moscow State University; Senior Sci Assoc, Lab of Hydrogeological Problems imeni F.P. Savarenskiy, Acad Sci USSR	Council, Moscow State University; Council, Moscow Society of Naturalists; Chief Directorate of Water Management of the Ministry of Agriculture and Finished Products USSR; and others
MIRCHINK Mikhail Fedorovich	Dr Geol-Min Sci; Stalin Prize winner; Chief Geologist, Member of the Collegium, Ministry of Petroleum Industry USSR; Head of a chair, Moscow Petroleum Inst imeni I.M. Gubkin; Head of a Lab, Inst of Petroleum, Acad Sci USSR	Sci Council, All Union Petroleum Sci Res Geological Prospecting Inst; a collective of geologists of the "Azneft" Combine; Presidium, Acad Sci Azerbaydzhan SSR; Sci Council, Saratov State University imeni N.G. Chernyshevskiy
NESTEROV Leonid Yakovlevich	Dr Geol-Min Sci; Director, All-Union Sci Res Geological Inst of Ministry of Geology and Conservation of Mineral Resources USSR; Head of a chair, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst	Sci Council All-Union Sci Res Geological Inst of Ministry of Geology and Conservation of Mineral Resources USSR; Sci Council, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; Sci and Technical Council, Siberian Geophysics Trust of Ministry of Petroleum Industry USSR; and others
NIKOLAYEV Viktor Arsen'yevich	Corr Mem Acad Sci USSR; Honored Worker of Science Kirgiz SSR; Dr Geol-Min Sci; Head of a chair, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; Senior Sci Assoc, Lab of Pre-Cambrian Geology, Acad Sci USSR	Sci Council, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst; Sci Council, Lab of Pre-Cambrian Geology, Acad Sci USSR; L'vov State University imeni Ivan Franko; and others
PAFFENGOL'TS Konstantin Nikolayevich	Active Mem Acad Sci Armenian SSR; Dr Geol-Min Sci Stalin Prize winner; Senior Sci Assoc, All-Union Sci Res Geological Inst of Ministry of Geology and Conservation of Mineral Resources USSR	Sci Council, Inst of Geological Sciences, Acad Sci Armenian SSR; Sci Council, Saratov State University imeni N.G. Chernyshevskiy; Sci Council, Inst of Geology, Acad Sci Azerbaydzhan SSR; and others

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STAT

<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
PUSTOVALOV Leonid Vasil'yevich	Dr Geol-Min Sci; Stalin Prize winner; Deputy President, Council for the Study of Productive Forces, Acad Sci USSR; Head of a chair, Moscow Petroleum Inst imeni I.M. Gubkin	Academician V.S. Nemchinov
RENGARTEN Vladimir Pavlovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Senior Sci Assoc, Lab of the Geology of Coal, Acad Sci USSR	(Izvestiya, 9 Oct 53) Presidium, Dagestan Affili- ate Acad Sci USSR; Academicians S.I. Mironov; Sci Council, Inst of Geology and Min- eralogy, Acad Sci Georgian SSR; Sci Council, Inst of Geology imeni I.M. Gubkin, Acad Sci Azerbaydzhan SSR; Sci Council, Paleontological Inst, Acad Sci USSR; and others
SEMENENKO Nikolay Panteleymonovich	Active Mem Acad Sci Ukrainian SSR; Dr Geol-Min Sci; Vice President, Acad Sci Ukrain- ian SSR	Sci Council, Inst of Geo- logical Sciences, Acad Sci Ukrainian SSR; State Union Trust of the Krivoy Rog Iron Ore Basin; and others
STARIK Iosif Yevseyevich	Corr Mem Acad Sci USSR; Dr Chem Sci; Deputy Director, Radium Inst imeni V.G. Khlopin, Acad Sci USSR	Sci Council, Radium Inst imeni V.G. Khlopin, Acad Sci USSR
STRAKHOV Nikolay Mikhaylovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Head of a division, Inst of Geological Sciences, Acad Sci USSR; Prof, Moscow State University	Sci Council, Inst of Geologi- cal Sciences, Acad Sci USSR; Sci Council, Inst of Oceanog- logy, Acad Sci USSR; Sci Council, Saratov State Uni- versity imeni N.G. Chernyshevskiy; Sci Council, All-Union Inst of Mineral Raw Materials of Ministry of Geology and Conservation of Mineral Resources USSR; and others
UKLONSKIY Aleksandr Sergeyevich	Active Mem Acad Sci Uzbek SSR; Dr Geol-Min Sci; Head of a chair, Central Asia State University; Head of a chair, Central Asia Polytechnic Inst	Sci Council, Geological Faculty, Central Asia State University; Sci Council, Inst of Geology, Acad Sci Uzbek SSR; Combined Sci Council, Geological Survey- ing and Mining Faculties, Central Asia Polytechnic Inst; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
FEDOROV Sergey Filippovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Head of a lab, Inst of Petroleum, Acad Sci USSR; Prof, Moscow Petroleum Inst imeni I.M. Gubkin	Sci Council, Inst of Petro- leum Acad Sci USSR; Presi- dium, West Siberian Affili- ate, Acad Sci USSR; Sci Council, Far Eastern Af- filiate imeni V.L. Komarov, Acad Sci USSR; Ministry of Petroleum Industry USSR; and others
SHATSKIY Nikolay Sergeyevich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Stalin Prize winner; Head of a division Inst of Geological Sciences, Acad Sci USSR; Prof, Moscow Geological Prospecting Inst imeni S. Ordzhonikidze	Sci Council, Inst of Geologi- cal Sciences, Acad Sci USSR; Sci Council, Moscow Geo- logical Prospecting Inst imeni S. Ordzhonikidze; Sci Council, All-Union Inst of Mineral Raw Mater- ials of Ministry of Geo- logy and Conservation of Mineral Resources; Presi- dium, Council for the Study of Productive Forces, Acad Sci USSR; and others
SHCHERBAKOV Dmitriy Ivanovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Head of a division, Inst of Geological Sciences, Acad Sci USSR	Sci Council, Inst of Geologi- cal Sciences, Acad Sci USSR; Sci Council, Inst of Geo- graphy, Acad Sci USSR; Sci Council, Inst of Geochemis- try and Analytical Chemistry imeni V.I. Vernadskiy, Acad Sci USSR; Presidium, Council for Study of Productive Forces, Acad Sci USSR; Presidium, Kola Affiliate imeni S.M. Kirov, Acad Sci USSR; and others
DEPARTMENT OF BIOLOGICAL SCIENCES		
ASRATYAN Ezras Asratovich	Corr Mem Acad Sci USSR; Active Mem, Acad Sci Armenian SSR; Dr Biol Sci; Director, Physiological Lab, Acad Sci USSR; Head of a chair, Second Moscow State Medical Inst imeni I.V. Stalin	Physiological Lab, Acad Sci USSR; Academician A.D. Speranskiy; Second Moscow State Medical Inst imeni I.V. Stalin; Sci Council, Inst of Physiology imeni A.A. Bogomolets, Acad Sci Ukrainian SSR; and others
BUSHINSKIY Vladimir Petrovich	Corr Mem Acad Sci USSR; Active Mem, All-Union Order of Lenin Acad of Agricultural Sci imeni V.I. Lenin; Dr Agric Sci; Hon- ored Worker of Science RSFSR; Head of a chair, Agricultural Acad imeni K.A. Timiryazev	Council, Stalingrad Agri- cultural Inst

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
IVANOVSMOLENSKIY Anatoliy Georgiyevich	Active Member, Acad Med Sci, USSR; Dr Med Sci; Stalin Prize winner; Director, Inst of Higher Nervous Activity, Acad Sci USSR	Sci Council, Inst of Higher Nervous Activity, Acad Sci USSR; Academician N.N. Anichkov; Presidium, All-Union Sci Medical Society of Neuropathologists and Psychiatrists; Moscow Society of Pathophysiologists
IMSHENETSKIY Aleksandr Aleksandrovich	Corr Mem Acad Sci USSR; Dr Biol Sci, Director, Inst of Microbiology, Acad Sci USSR; Consultant, All-Union Sci Res Inst of the Alcohol Industry	Sci Council, Inst of Microbiology, Acad Sci USSR; Academicians N.N. Anichkov, N.V. Tsitsin, A.D. Speransky, A.I. Abrikosov; Sci Council, Leningrad State University; Sci Council, Botanical Inst imeni V.L. Komarov, Acad Sci USSR; and others
KOSHTOYANTS Khachatur Sedrakovich	Corr Mem Acad Sci USSR; Active Mem Acad Sci Armenian SSR; Dr Biol Sci; Stalin Prize winner; Head of a lab, Inst of Animal Morphology imeni A.N. Severtsov, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Inst of Animal Morphology imeni A.N. Severtsov, Acad Sci USSR; Council, Moscow State University; Academicians K.I. Skryabin, V.M. Rodionov; Sci Council, Inst of Physiology imeni I.P. Pavlov, Acad Sci USSR; and others
KRASIL'NIKOV Nikolay Aleksandrovich	Corr Mem Acad Sci USSR; Dr Biol Sci; Stalin Prize winner; Head of a division Inst of Microbiology, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Inst of Microbiology, Acad Sci USSR; Inst of Plant Physiology imeni K.A. Timiryazev, Acad Sci USSR; Moscow Department, All-Union Sci Res Inst of Agricultural Microbiology; and others
KRASNOGORSKIY Nikolay Ivanovich	Active Mem Acad Med Sci USSR; Honored Worker of Science RSFSR; Dr Med Sci; Stalin Prize winner; Head of a lab, Inst of Physiology imeni I.P. Pavlov, Acad Sci USSR; Head of a division, Inst of Experimental Medicine, Acad Med Sci USSR	Sci Council, Inst of Physiology imeni I.P. Pavlov, Acad Sci USSR; Academician K.M. Bykov; Sci Council, Inst of Experimental Medicine, Acad Med Sci USSR; Sci Council, Inst of Microbiology, Acad Sci USSR; and others
KUPALOV Petr Stepanovich	Active Mem Acad Med Sci USSR; Honored Worker of Science RSFSR; Dr Med Sci; Head of a division, Inst of Experimental Medicine, Acad Med Sci USSR	Sci Council, Inst of Experimental Medicine, Acad Med Sci USSR; Academicians N.N. Anichkov, A.D. Speransky; Leningrad Branch, All-Union Society of Physiologists, Biochemists, and Pharmacologist imeni I.M. Sechenov; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
KURSANOV Andrey L'vovich	Corr Mem Acad Sci USSR; Dr Biol Sci; Director, Inst of Plant Physiology imeni K.A. Timiryazev, Acad Sci USSR; Head of a lab, Inst of Biochemistry imeni A.N. Bakh, Acad Sci USSR; Prof, Moscow State University	Sci Council, Inst of Plant Physiology imeni K.A. Timiryazev, Acad Sci USSR; Council, Moscow State Uni- versity; Sci Council, Leningrad State University; Ministry of Food Products Industry; and others
TYURIN Ivan Vladimirovich	Corr Mem Acad Sci USSR; Dr Geol-Min Sci; Director, Inst of Soils imeni V.V. Dokuchayev, Acad Sci USSR	Sci Council, Inst of Soils imeni V.V. Dokuchayev, Acad Sci USSR; Council, Moscow State University; Sci Coun- cil, Leningrad State Uni- versity; Presidium, Kola Affiliate imeni S.M. Kirov, Acad Sci USSR; Council, Stalingrad Agricultural Inst; and others
SHAPOSHNIKOV Vladimir Nikolayevich	Dr Biol Sci; Stalin Prize winner; Head of a division, Inst of Microbiology, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Inst of Micro- biology, Acad Sci USSR; Council, Moscow State Uni- versity; Academicians A.I. Oparin, V.N. Sukachev; Sci Council, All-Union Sci Res Inst of Agricultural Micro- biology; and others
ENGEL'GARDT Vladimir Aleksandrovich	Corr Mem Acad Sci USSR; Active Mem, Acad Med Sci USSR; Dr Biol Sci; Stalin Prize win- ner; Head of a lab, Inst of Biochemistry imeni A.N. Bakh, Acad Sci USSR; Head of a division, Inst of Experimen- tal Medicine, Acad Med Sci USSR; Prof, Moscow State University	Sci Council, Inst of Biochem- istry imeni A.N. Bakh, Acad Sci USSR; Council, Moscow State University; Academi- cians Ye.N. Pavlovskiy, K.I. Skryabin; Sci Council, Leningrad State University; Sci Council, Inst of Biolog- ical and Medical Chemistry, Acad Med Sci USSR; Ministry of the Food Products Industry; and others

DEPARTMENT OF TECHNICAL SCIENCES

AGEYEV Nikolay Vladimirovich	Corr Mem Acad Sci USSR; Dr Chem Sci; Deputy Director, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR	Sci Council, Inst of Metal- lurgy, Acad Sci USSR; Sci Council, Inst of General and Inorganic Chemistry imeni N.S. Kurnakov, Acad Sci USSR; Orgburo, All-Union Scientific and Technical Society of Metal- lurgists
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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
BRILING Nikolay Romanovich	Honored Worker of Science and Engineering RSFSR; Dr Tech Sci; Head of a chair, Moscow Automobile Highway Inst imeni V.M. Molotov	Sci Council, Moscow Auto- mobile Highway Inst imeni V.M. Molotov; Sci Council, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman; Minis- try of Machine Building; Academician N.N. Semenov
VEKSHINSKIY Sergey Arkad'yevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner	All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR, a group of scientific work- ers
VLASOV Vasil'y Zakharovich	Dr Tech Sci; Stalin Prize winner; Head of a division, Inst of Mechanics, Acad Sci USSR; Prof, Moscow Order of Labor Red Banner Engineering Construction Institute imeni V.V. Kuybyshev	Sci Council, Moscow Order of Labor Red Banner Engineer- ing Construction Inst imeni V.I. Kuybyshev; Sci Council, Central Sci Res Inst of Industrial Construction; Sci Council, Inst of Con- struction Mechanics, Acad Sci Ukrainian SSR; and others
GOLUBEV Vladimir Vasil'yevich	Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering RSFSR; Dr Phys-Math Sci; Senior Sci Assoc, Inst of Mechanics, Acad Sci USSR; Head of a chair, Moscow State Uni- versity	Council, Moscow State Uni- versity; Sci Council, Inst of Mechanics, Acad Sci USSR; Council, Red Banner Order of Lenin Military Air Engineering Academy imeni N.Ye. Zhukovskiy; and others
GUBKIN Sergey Ivanovich	Active Mem, Acad Sci Belo- russian SSR; Dr Chem Sci Director, Physicotechnical Inst, Acad Sci Belorussian SSR; Head of a chair, Belo- russian Polytechnic Inst imeni I.V. Stalin	Council, Belorussian Poly- technic Inst imeni I.V. Stalin; Academicians A.A. Bochvar, P.A. Rebinder, I.I. Chernyayev, Corr Mem Acad Sci USSR B.V. Deryagin, and others; Sci Council, Physicotechnical Inst, Acad Sci Belorussian SSR; Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; and others
DAVIDENKOV Nikolay Nikolayevich	Active Mem, Acad Sci Ukrain- ian SSR; Dr Tech Sci; Stalin Prize winner, Head of a lab, Physicotechnical Inst, Acad Sci USSR; Head of a chair, Leningrad Poly- technic Inst imeni M.I. Kalinin	Sci Council, Physicotechni- cal Inst, Acad Sci USSR; Council, Leningrad Poly- technic Inst imeni M.I. Kalinin; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
DIKUSHIN Vladimir Ivanovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Chief Constructor, Experimental Sci Res Inst of Metal Cutting Tools; Senior Sci Assoc, Inst of Machine Studies, Acad Sci USSR	Sci Council, Inst of Machine Studies, Acad Sci USSR; Sci Council, Inst of Automatics and Telemechanics, Acad Sci USSR; Sci and Tech Council, Experimental Sci Res Inst of Metal Cutting Tools; and others
ZHELIGOVSKIY Vladislav Aleksandrovich	Active Mem, All-Union Order of Lenin Agricultural Acad imeni V.I. Lenin; Dr Tech Sci; Head of a chair, Moscow Inst of Mechanization and Electrification of Agriculture imeni V.M. Molotov	Sci Council, All-Union Sci Res Inst of Mechanization and Electrification of Sovkhozes; Sci Council, Inst of Mechanization and Electrification of Agriculture, Acad Sci Belorussian SSR; Sci Council, Azov-Black Sea Inst of Mechanization and Electrification of Agriculture; and others
ZHYK Sergey Yakovlevich	Hero of Socialist Labor; Head and Chief Engineer; Gidproyekt, Ministry of Electric Stations and the Electrical Industry	Sci Council, Section for the Sci Development of Problems of Water Management, Acad Sci USSR; Sci Council, Moscow Order of Labor Red Banner Engineering Construction Inst imeni V.V. Kuybyshev; Council of Engineering and Economic Experts, Gosplan-USSR; Orgburo, All-Union Sci and Tech Society of Construction Engineers; and others
ZAVRIYEV Kiriak Samsonovich	Active Mem, Acad Sci Georgian SSR; Honored Worker of Science and Engineering Georgian SSR; Dr Tech Sci; Director, Inst of Construction, Acad Sci Georgian SSR; Deputy Head, Tbilisi Inst of Railroad Engineers imeni V.I. Lenin	Council, Tbilisi Inst of Railroad Engineers imeni V.I. Lenin; Sci Council, Inst of Construction, Acad Sci Georgian SSR; Council on Seismology, Presidium, Acad Sci USSR; and others
ILYUSHIN Aleksey Antonovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Director, Inst of Mechanics, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Inst of Mechanics, Acad Sci USSR; Council, Moscow State University; Sci Council, Inst of Machine Studies, Acad Sci USSR; Sci Council, Inst of Construction Mechanics, Acad Sci Ukrainian SSR

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
KAPELYUSHNIKOV Matvey Alkumovich	Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering RSFSR; Dr Tech Sci; Head of a lab, Inst of Petroleum, Acad Sci USSR; Prof, Moscow Order of Labor Red Banner Inst of Petroleum imeni Acad I.M. Gubkin	Sci Council, Inst of Petro- leum, Acad Sci USSR; Sci Council, Inst of Mining, Acad Sci USSR; Academician S.I. Mironov; and others
KARNAUKHOV Mikhail Mikhaylovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Head of a chair, Leningrad Polytechnic Inst imeni M.I. Kalinin	Administrative Board Lenin- grad Branch, All-Union Sci and Tech Society of Metal- lurgists; Sci Council, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Council, Leningrad Poly- technic Inst imeni M.I. Kalinin; Ministry of the Metallurgical Industry; and others
KLIMOV Vladimir Yakovlevich	Corr Mem Acad Sci USSR; Dr Tech Sci; Hero of Socialist Labor; Stalin Prize winner	A group of scientific work- ers
KOBEZAREV Yuriy Borisovich	Dr Tech Sci; Stalin Prize winner; Head of a chair, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov	A group of scientific work- ers of Acad Sci USSR
KOSTENKO Mikhail Poliyevtovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Honored worker of Science Uzbek SSR; Stalin Prize winner; Deputy Director, Inst of Automatics and Tele- mechanics, Acad Sci USSR	Sci Council, Inst of Auto- matics and Telemechanics, Acad Sci USSR; Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov; Inst of Electrical Engineering, Acad Sci Ukrain- ian SSR; Sci Council, Elec- trical Engineering Faculty, Kiev Order of Lenin Poly- technic Inst; and others
KOSTYAKOV Aleksey Nikolayevich	Corr Mem Acad Sci USSR; Active Mem, All-Union Order of Lenin Agricultural Acad imeni V.I. Lenin; Honored Worker of Science and Engineering RSFSR; Dr Tech Sci; Stalin Prize winner; Head of a chair, Moscow Inst of Water Management Engi- neers imeni V.R. Vil'yams; Senior Sci Assoc, Section for the Sci Development of Problem of Water Management, Acad Sci USSR	Sci Council, Section for the Sci Development of Problems of Water Management, Acad Sci USSR; Sci Council, Inst of Soils imeni V.V. Doku- chayev, Acad Sci USSR; Sci Council, Moscow Inst of Water Management Engineers imeni V.R. Vil'yams; Minis- try of Agriculture and Finished Products USSR; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
KOTEL'NIKOV Vladimir Aleksandrovich	Dr Tech Sci; Stalin Prize winner; Head of a chair, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov	Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov; Sci Council, Inst of Automatics and Telemechanics, Acad Sci USSR; All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR; and others
KRIVOUKHOV Vasily Aleksandrovich	Dr Tech Sci; Head of a chair, Moscow Order of Lenin Aviation Inst imeni S. Ordzhonikidze	Sci Council, Moscow Order of Lenin Aviation Inst imeni S. Ordzhonikidze; Sci Council, Kazan Aviation Inst; Academicians I.I. Artobolevskiy, P.A. Rebinder; Sci Council, Moscow Machine Tool and Tool Inst imeni I. V. Stalin
MINTS Aleksandr I'vovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Head of a lab, Physics Inst imeni P.N. Lebedev	All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR; Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Sci Council, Leningrad Electrical Engineering Inst of Communications imeni M.A. Bonch-Bruyevich; and others
MIKHEYEV Mikhail Aleksandrovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR	Sci Council, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR; Academicians G.M. Krzhizhanovskiy, M.V. Kirpichev
ODING Ivan Avgustovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Head of a lab, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Head of a chair, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov	Sci Council, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Sci Council, Inst of Machine Studies, Acad Sci USSR; Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov; and others
PISTOL'KORS Aleksandr Aleksandrovich	Corr Mem Acad Sci USSR; Dr Tech Sci	All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR; Sci Council, Moscow Electrical Engineering Inst of Communications; and others

STAT

<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
PLAKSIN Igor' Nikolayevich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Deputy Director, Inst of Mining, Acad Sci USSR; Head of a chair, Moscow Inst of Nonferrous Metals and Gold imeni M.I. Kalinin	Sci Council, Inst of Mining, Acad Sci, USSR; Sci Council Metallurgical Faculty, Moscow Inst of Nonferrous Metals and Gold imeni M.I. Kalinin; Orgburo, All-Union Sci and Tech Society of Metallurgists; Council, Irkutsk Inst of Mining and Metallurgy; and others
PREDVODITELEV Aleksandr Savvich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Head of a lab, Power Engineering Inst imeni G.M. Khrzhizhanovskiy, Acad Sci USSR; Head of a chair, Moscow State University	Sci Council, Power Engineer- ing Inst imeni G.M. Khrzhiz- hanovskiy, Acad Sci USSR; Council, Moscow State Uni- versity; Sci Council, Marine Hydrophysics Inst, Acad Sci USSR; Sci Council, Inst of Mineral Fuels, Acad Sci USSR; Sci Council, Inst of Metallurgy imeni A.A. Baykov Acad Sci USSR; and others
RAKHMATULIN Khalil Akhnedovich	Active Mem Acad Sci Uzbek SSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University; Senior Sci Assoc, Inst of Mechan- ics, Acad Sci USSR	Council, Inst of Structures, Acad Sci Uzbek SSR; Sci Council, Inst of Mathematics and Mechanics, Acad Sci Uzbek SSR; Sci Council, Sci Res Experimental Inst of the Ministry of Industrial Con- sumer Goods USSR
SAMARIN Aleksandr Mikhaylovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Acting Director, Inst of the History of Natural Sciences and Engi- neering, Acad Sci USSR; Head of a division, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Head of a chair, Moscow Order of Labor Red Banner Inst of Steel imeni I.V. Stalin	Sci Council, Inst of Metal- lurgy imeni A.A. Baykov, Acad Sci USSR; Academicians G.M. Khrzhizhanovskiy, M.A. Pavlov, N.T. Gudtsov; Inst of the History of Natural Sciences and Engineering, Acad Sci USSR; and others
SEDOV Leonid Ivanovich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University	Council, Moscow State Uni- versity; Sci Council, Inst of Mechanics, Acad Sci USSR; Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; and others

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
STECHKIN Boris Sergeyevich	Corr Mem Acad Sci USSR; Stalin Prize winner; Chief of a chair, Red Banner Order of Lenin Military Air Engineer- ing Acad imeni N. Ye. Zhukovskiy; Head of a lab, Inst of Machine Studies, Acad Sci USSR	Council, Red Banner Order of Lenin Military Air Engi- neering Acad imeni N. Ye Zhukovskiy; Sci Council, Inst of Machine Studies, Acad Sci USSR; Academicians I.I. Artobolevskiy; Sci Council, Moscow Order of Lenin Aviation Inst imeni S. Ordzhonikidze; and others
STYRIKOVICH Mikhail Adol'fovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR. Head of a chair, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov	Moscow Section, Sci and Tech Council, Central Sci Res Boiler and Turbine Inst imeni I.I. Polzunov; Minis- try of Transport and Heavy Machine Building; Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov
TRUBIN Konstantin Georgiyevich	Dr Tech Sci; Stalin Prize winner; Head of a chair, Moscow Order of Labor Red Banner Inst of Steel imeni I.V. Stalin	Sci Council, Moscow Order of Labor Red Banner Inst of Steel imeni I.V. Stalin; Sci Council, Central Sci Res Inst of Technology and Machine Building; Orgburo, All-Union Sci and Tech Society of Metallurgists; and others
TUPOLEV Andrey Nikolayevich	Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science and Engineering RSPSR; Hero of Socialists Labor; Stalin Prize winner	Council, Red Banner Order of Lenin Military Air Engi- neering Academy imeni N.Ye. Zhukovskiy; Academician I.I. Artobolevskiy; Sci Council, Inst of Machine Studies, Acad Sci USSR; and others
CHETAYEV Nikolay Gur'yevich	Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Honored Worker of Science Tatar ASSR; Head of a division, Inst of Mechanics, Acad Sci USSR; Prof, Moscow State University	Sci Council, Inst of Mechan- ics, Acad Sci USSR; Sci Council, Kazan' State Uni- versity imeni V.I. Ul'yanov - Lenin; Academician I.I. Artobolevskiy; Sector of Mathematics and Mechanics, Acad Sci Armenian SSR; and others
CHTZHIKOV David Mikha'ylovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize winner; Head of a division, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR	Sci Council, Inst of Metal- lurgy imeni A.A. Baykov, Acad Sci USSR; Academicians M.A. Pavlov, N.T. Gudtsov, S.I. Vol'fkovich

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<u>Name</u>	<u>Degrees, Honors, and Current Assignments</u>	<u>Organization and Individual Nominating the Candidate</u>
SHAUMYAN Grigor Arutyunovich	Dr Tech Sci, Stalin Prize winner; Head of a chair, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman	Sci Council, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman; Inst of the History of Natural Sciences and Engineering, Acad Sci USSR; and others
SHIMANSKIY Yulian Aleksandrovich	Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science and Engineering RSFSR; Stalin Prize winner	Council, Leningrad Shipbuilding Inst; All-Union Sci and Tech Society of Shipbuilding Engineers; and others
SHKLYARSKIY Feliks Nikolayevich	Dr Tech Sci; Head of a chair, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst	Combined meeting of the Chairs of Mining Mechanics and Mine Electrical Engineering, Moscow Mining Inst imeni I.V. Stalin; Sci Council, Mining Faculty, Novocherkassk Polytechnic Inst imeni S. Ordzhonikidze; and others
SHCHUKIN Aleksandr Nikolayevich	Corr Mem Acad Sci USSR; Dr Tech Sci	All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR

The Academy of Sciences USSR announces that 644 candidates have been put forward by scientific institutions, enterprises, societies, groups of scientific workers, and individuals for the 126 vacancies for Corresponding Member of the Academy of Sciences USSR, which were advertised between 22 July and 3 September 1953. The following is a list of the number of candidates and vacancies in each department:

Department of Physicomathematical Sciences
129 candidates for 25 vacancies
Department of Chemical Sciences
83 candidates for 14 vacancies
Department of Geologicogeographical Sciences
98 candidates for 21 vacancies
Department of Biological Sciences
87 candidates for 19 vacancies
Department of Technical Sciences
191 candidates for 30 vacancies
Department of Historical Sciences
21 candidates for 7 vacancies
Department of Economic, Philosophical, and Legal Sciences
13 candidates for 7 vacancies
Department of Literature and Languages
22 candidates for 3 vacancies

Academician A. Nesmeyanov,
President of the Academy of Sciences USSR;
Academician A. Topchiyev,
Chief Scientific Secretary to the Presidium,
Academy of Sciences USSR

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